

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A color electrophotographic apparatus which reproduces an image by utilization of a plurality of color toners and by expressing halftone of each color through use of halftone spots formed from a plurality of dots, said apparatus comprising:

a halftone processing section which is provided with halftone data for respective colors and which reproduces image reproduction data by reference to a conversion table defining a correspondence between the halftone data and image reproduction data; and

an image reproduction engine which is provided with a drive signal corresponding to the image reproduction data to thereby cause the toners to adhere to a development region whose area and location correspond to the image reproduction data, within the dots,

wherein said halftone processing section prepares the image reproduction data to be used for changing an angle of at least one color screen of a plurality of color screens to substantially an angle related to an irrational tangent.

2. (original): A color electrophotographic apparatus according to claim 1, wherein said image reproduction engine radiates a beam to the development region to thereby causes the toners to adhere to the development region, and

the image reproduction data comprise data pertaining to a position and an area to be exposed within the dot in a scanning direction of the beam.

Claims 3-8 (canceled).

9. (original): A method of processing an image of color electrophotography by utilization of a plurality of color toners and by expressing halftone of each color through use of halftone spots formed from a plurality of dots, said method comprising:

a halftone processing process, in which halftone data are provided for respective colors and the image reproduction data corresponding to the dots are produced on the basis of the halftone data by reference to a conversion table defining the correspondence between the halftone data and image reproduction data; and

an image reproduction process, in which a drive signal corresponding to the image reproduction data is provided and the toners are caused to adhere to a development region whose area and location correspond to the image reproduction data, within the dots,

Amendment under 37 C.F.R. §1.111
U.S. Application No.: 10/821,946

wherein, in the halftone processing process, there are produced the image reproduction data to be used for changing an angle of at least one color screen of a plurality of color screens to substantially an angle related to an irrational tangent.

Claims 10-12 (canceled).